MMM MMM MMM	MMM MMM MMM		AAAAAAAA AAAAAAAA		AAAAAAA AAAAAAA AAAAAAA		2222222222	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	PP
MMMMM		TTT	AAA	AAA	AAA	AAA	CCC	PPP	PPP
MMMMM		TTT	AAA	AAA	AAA	AAA	CCC	PPP	PPP
MMMMM		TTT	AAA	AAA	AAA	AAA	CCC	PPP	PPP
MMM	MMM MMM	TTT	AAA	AAA	AAA	AAA	CCC	PPP	PPP
MMM	MMM MMM	TTT	AAA	AAA	AAA	AAA	CCC	PPP	PPP
MMM	MMM MMM	TTT	AAA	AAA	AAA	AAA	ČČČ	PPP	PPP
MMM	MMM	TTT	AAA	AAA	AAA	AAA	ČČČ	PPPPPPPPPP	
MMM	MMM	TTT	AAA	AAA	AAA	AAA	ČČČ	PPPPPPPPPP	
MMM	MMM	TTT	AAA	AAA	AAA	AAA	ČČČ	PPPPPPPPPP	
MMM	MMM	TTT	AAAAAA	AAAAAAA		AAAAAAAA	ČČČ	PPP	
MMM	MMM	TTT	AAAAAA	AAAAAAA		AAAAAAAA	ČČČ	PPP	
MMM	MMM	TTT		AAAAAAA		AAAAAAAA	ččč	PPP	
MMM	MMM	TTT	AAA	AAA	AAA	AAA	ČČČ	PPP	
MMM	MMM	TTT	AAA	AAA	AAA	AAA	ČČČ	PPP	
MMP	MMM	TTT	AAA	AAA	AAA	AAA	ččč	PPP	
MMM	MMM	TIT	AAA	AAA	AAA	AAA	CCCCCCCCCC	PPP	
MMM	MMM	ŤŤŤ	AAA	AAA	AAA	AAA	2222222222	PPP	
MMM	MMM	ttt	AAA	AAA	AAA	AAA	2222222222	PPP	

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	000000 00 00 00 00	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$		

RD VO

VAX-11 Bliss-32 V4.0-742 [MTAACP.SRCJPOSFID.B32;1

Page (1

RD/

MODULE POSFID ( LANGUAGE ( BLISS32 ) , IDENT = 'V04-000'

BEGIN

0010

0011 0012 0013

0014

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FACILITY: MTAACP

ABSTRACT:

This module position the tape

**ENVIRONMENT:** 

VMS operating system, including privileged system services and internal exec routines.

0040 1 0041 1 0042 1 0043 1

AUTHOR: D. H. GILLESPIE, CREATION DATE: 31-MAY-77 11:30

MODIFIED BY:

V03-C01 ROW0258

Ralph O. Weber

21-NOV-1983

The Paul Painter Memorial Enhancement

Named for one of the unfortunate customers who suffered much to determine the great UCB\$L\_MT\_RECORD secret while trying to create a user-written magtape driver, this change eliminates use of the device dependent field, UCB\$L\_MT\_RECORD in favor of the device independent field, UCB\$L\_RECORD.

V02-005 DMW00079

David Michael Walp

2-Mar-1982

POS	FID -000	16-Sep-1984 02:28:57 VAX-11 Bliss-32 V4.0-74 14-Sep-1984 12:46:47 [MTAACP.SRC]POSFID.B32;	2	Page (1)
	58 59 60 61 62 63 64 65 66 67	0058 1		

RD/ VO

```
POSF 1D
V04-000
                                                                                                                                VAX-11 Bliss-32 V4.0-742
EMTAACP.SRCJPOSFID.B32:1
                                                                                                                                                                                    Page
                                  GLOBAL ROUTINE POSITION_BY_FID ( FID WANTED, RVN_WANTED ) : COMMON_CALL NOVALUE =
    1++
                                     FUNCTIONAL DESCRIPTION:
                                              This routine positions the tape just passed the headers of the file specified by FID
                                     CALLING SEQUENCE:
POSITION_BY_FID ( ARG1, ARG2 )
                                     INPUT PARAMETERS:

ARG1 - file identifier

ARG2 - rvn on which file resides
                                      IMPLICIT INPUTS:
                                              CURRENT_UCB - address of current vcb
CURRENT_UCB - address of current unit control block
                                      OUTPUT PARAMETERS:
                                              NONE
                                      IMPLICIT OUTPUTS:
                                              NONE
                                      ROUTINE VALUE:
                                              NONE
                                     SIDE EFFECTS:
                                              tape positioned passed HDR1 and HDR2 (if it exists) these labels are read in if file doesn't exist, error exit taken
                                     USER ERRORS:
                                              SS$_NOSUCHFILE - no file exists that matches fid
                                        BEGIN
                                        EXTERNAL REGISTER
                                              COMMON_REG;
                                        EXTERNAL
                                              CURRENT_UCB
                                                                                                        ! address of current UCB
! address of HDR1 (EOF1) label
                                                                     : REF BBLOCK.
    114
115
116
117
                                              HDR1
                                        EXTERNAL ROUTINE
                                              READ HDR,
MOUNT VOL,
SPACE_EOF;
                                                                                                           read headers
                                                                                                         ! mount relative volume
! space to end of file
   118
119
120
121
122
123
124
125
                                              CUR_FID = CURRENT_VCB[VCB$W_CUR_NUM];
                                       LOCAL
```

! number of tm's past in file

RD/

```
POSF 1D
V04-000
                                                                                                     16-Sep-1984 02:28:57
14-Sep-1984 12:46:47
                                                                                                                                           VAX-11 Bliss-32 V4.0-742
EMTAACP.SRCJPOSFID.B32;1
                                                                                                                                                                                                    Page
    if the file id is zero, then the user has input an invalid file id or
                                               the acp has a bug.
                                            IF ( .FID_WANTED EQL 0 ) THEN ERR_EXIT ( SS$_BADPARAM );
                                                AND ( .CUR_FID EQLU .FID WANTED )

OR ( .CURRENT_VCB[VCB$B_TM] EQLU 0 )

AND ((.CURRENT_VCB [ VCB$B_TM ] EQLU 1 )

AND ((.CURRENT_VCB [ VCB$C_ST_RECORD ] -

CURRENT_UCB[UCB$L_RECORD] ) EQLU 0 )

AND (.HDR1[HD1$L_HD1LID] EQL 'HDR1')
                                            THEN RETURN:
                                            ! check if RVN is less then byte size
                                            IF ( .RVN_WANTED GEQU 256 ) THEN ERR_EXIT ( SS$_BADPARAM );
                                            MOUNT_VOL ( IF ( .RVN WANTED EQL 0 ) THEN 1 ELSE .RVN WANTED, SFIELDMASK ( MOUSV_LBLCHECK ) OR SFIELDMASK ( MOUSV_REWIND )
                                                            ):
                                            READ_HDR();
                                            WHILE TRUE DO
                                                  BEGIN
                                                  IF ( .CUR_FID EQLU .FID_WANTED ) THEN EXITLOOP;
SPACE_EOF();
IF NOT READ_HDR() THEN ERR_EXIT ( SS$_NOSUCHFILE );
                                            END:
                                                                                                                  ! end of routine
                                                                                                                     .TITLE
                                                                                                                                 POSF ID \V04-000\
                                                                                                                                 CURRENT_UCB, HDR1
READ_HDR, MOUNT_VOL
SPACE_EOF
                                                                                                                     .EXTRN
                                                                                                                     .EXTRN
                                                                                                                     .EXTRN
                                                                                                                     .PSECT
                                                                                                                                 SCODES, NOWRT, 2
                                                                                                                                 POSITION_BY_FID, Save nothing FID_WANTED
                                                                                                                                                                                                          0451
                                                                                                                     TSTL
                                                                                                                     BNEQ
                                                                                                                                  36(CURRENT_VCB), FID_WANTED
                                                                            24
                                                                                    AB
23
AB
5C
AB
18
CF
AB
                                                                                                                     CMPL
BNEQ
                                                                                                                                                                                                          0514
                                                             AC
                                                                                               0000E
00010
00013
00015
00019
00018
00020
                                                                            2E
                                                                                                                     TSTB
                                                                                                                                                                                                          0515
                                                                                                                                  46(CURRENT_VCB)
                                                                                                                                 46(CURRENT_VCB), #1
                                                                                                                     BEQL
                                                                            2E
                                                                                                                     CMPB
BNEQ
                                                              01
                                                                                                                                                                                                          0516
                                                             50
                                                                         0000G
                                                                                                                                  CURRENT_UCB, RO
48(CURRENT_VCB), 176(RO)
                                                                                                                                                                                                          0518
                                                                                                                     MOVL
                                                  00B0
                                                                                                                     CMPL
```

RDA VO4

POSF 1D V04-000				;	I 4 6-Sep-1 4-Sep-1	984 02:28 984 12:46	:57	VAX-11 Bliss-32 V4.0-742 [MTAACP.SRC]POSFID.B32;1	Page (2)
		8F 0000G	OB DF 3E AC O2	12 00026 01 00026 13 0003 01 0003 1F 0003 BF 0003 00 0003 05 0004	2\$:	BNEQ CMPL BEQL CMPL BLSSU	2\$ ahdr 7\$ RVN_1	1, #827475016 WANTED, #256 WANTED	0519 0526
		08	14 03 AC 04 01	BF 00031 DD 00031 D5 00044 12 00044 DD 00046 11 00048	3\$:	CHMU PUSHL TSTL BNEQ PUSHL	#20 #3 RVN_U 4\$	WANTED	0529 0528
	0000G 0000G 04	CF CF AC 24	03 AC 02 00 AB		10.	BRB PUSHL CALLS CALLS CMPL	#1 5\$ RVN_I #2, I #0, I	WANTED MOUNT_VOL READ_FID_WANTED	0532 0536
	0000G 0000G	CF CF EC 0910	DBFEC243C413C20B3000F6	FB 00040 FB 00050 D1 00050 FB 00050 FB 00060 E8 00060 BF 00060		BEALLS CMPL BEMPL CMPL CMPL CMPL CMPL TSTL BNESH PUSH CALLS CMPL CMPL CMPL CMPL CMPL CMPL CMPL CMPL	7\$ #0, #0, #232	WANTED MOUNT_VOL READ_RDR URRENT_VCB), FID_WANTED  SPACE_EOF READ_RDR 6\$	0537 0538
; Routine Size: 114 bytes,	Routine I	Base: \$CODES			7\$:	RET	0.3		: 0534 : 0541
160 0542 1 161 0543 1 END 162 0544 1 163 0545 0 ELUDOM									
		PSECT SUMMARY							
Name \$CODE\$	Bytes 1	14 NOVEC,NOW	RT, I		tribute E,NOSHR		REL,	CON, NOPIC, ALIGN(2)	
	Library	Statistics							
File		Total	- Symi		rcent	Pages Marpe	d	Processing Time	
\$255\$DUA28:[SYSLIB]LIB.L32	;1	18619		12	0	1000		00:01.9	

RDA VO4

J 4 16-Sep-1984 02:28:57 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:46:47 [MTAACP.SRCJPOSFID.B32;1 POSFID V04-000 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:POSFID/OBJ=OBJ\$:POSFID MSRC\$:POSFID/UPDATE=(ENH\$:POSFID) : Size: 114 code + 0 data bytes
: Run Time: 00:06.9
: Elapsed Time: 00:15.1
: Lines/CPU Min: 4759
: Lexemes/CPU-Min: 20288
: Memory Used: 86 pages
: Compilation Complete

RDA VO4

Page

0256 AH-BT13A-SE VA.O

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